

CFEIS

CERTIFICATION AND FUEL ECONOMY

INFORMATION SYSTEM



7th CFEIS Development Briefing

Washtenaw Community College

April 3, 1997

7th CFEIS Development Briefing Agenda

★ April 3, 1997 ★

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|-------------|---|---|--------------------------|
| 1:00 - 1:05 | ● | Introduction, Goals | (Harrison) |
| 1:05 - 1:10 | ● | CFEIS Overview, Status, & Timeline | (Harrison) |
| 1:10 - 1:15 | ● | Interim CFEIS Phase-out | (Harrison) |
| 1:15 - 1:20 | ● | Status of System & Data Base | (Chiu & Park) |
| 1:20 - 1:30 | ● | Revisions to CMUG and Forms | (Park) |
| 1:30 - 1:40 | ● | Sample Data Forms and Reports | (Abbas) |
| 1:40 - 1:55 | ● | Data Processing Flow | (Harrison, Good & Abbas) |
| 1:55 - 2:00 | ● | CFEIS Help & Locator List | (Harrison) |
| 2:00 - 2:15 | ● | Carry-Over and Vehicle Configuration # | (Abbas) |
| 2:15 - 2:20 | ● | Rode PC and Paper Form Submission | (Hendon) |
| 2:20 - 2:30 | ● | Reprocessing Interim Data into CFEIS | (Park) |
| 2:30 - 2:45 | ● | Break | |
| 2:45 - 2:55 | ● | Internet, TTN, Documents, Email | (Bliss) |
| 2:55 - 3:00 | ● | CFEIS Data Input Methods | (Harrison) |
| 3:00 - 3:15 | ● | CFEIS Dial-in | (Leverett) |
| 3:15 - 3:20 | ● | Future CFEIS Changes | (Hormes) |
| 3:20 - 3:45 | ● | Manufacturers Questions | (Abbas) |
| 3:45 - 3:55 | ● | Manufacturer Requested Changes and Enhancements | |
| 3:55 - 4:00 | ● | Next CFEIS Briefing (tentatively): November, 1997 | |
| 4:00 - 4:30 | ● | Optional Technical Sessions | |

Introduction and Welcome

- **CFEIS Team -- Cert Team**
- **Light Duty Manufacturers**
- **EPA Staff & Presenters**
- **Others**
- **Briefing Schedule and Materials**

Goals

- **Status (Interim, IOV CFEIS)**
- **IOV-CFEIS Implementation**
- **IOV-CFEIS Data Submission**
- **Dial-in**
- **CMUG**
- **Review Documentation**
- **Document Access & Distribution**
- **EPA CFEIS Help**
- **Questions**
- **Give Mfrs Information to Use IOV-CFEIS**

CFEIS Overview

- **April 1995 - First Briefing**
- **MTS - Interim - IOV**
- **Unix System - Oracle Data Base**
- **Similar Data Requirements**
- **EPA In-house System**
- **All Cert & FE Applications - MTS - IOV**
- **Modern System**
- **Future Improvements**

CFEIS Status & Timeline

- **Complete Certification System**
 - in Limited Production April 3**
 -
 - ★ **Start with One Engine Family**
 - ★ **Complete Through Certificate Generation Prior to Starting next Family**
 -
 - in Production May 5 (est.)**
- **General Label FE System**
 - in Production May 5 (est.)**
- **CAFE System**
 - in Testing May 5**
 - in Production June 10 (est.)**

Interim CFEIS Phaseout

- **Available until Approx. May 5**
- **Manufacturers Can Stop Using Interim CFEIS Starting as Early as April 3**
- **All Data from Interim Needs to be Submitted to IOV-CFEIS by Manufacturers Starting in May**
- **IOV-CFEIS Data Required for Fe-guide, Carry-over, Annual Test Reports**

Status of System & Database

- **CFEIS Hardware**
 - **Server Installed Sept. 96 at NVFEL**
 - **Dial-in Server In-place**
 - **All Hardware In-place & Tested**
 - **Hardware Maintenance - Reserved First Weekend of Every Month**

- **CFEIS - Database**
 - **MTS Data through September, 1996
Converted to CFEIS data base**
 - **Carline, VI, Shift Schedule - All model years**
 - **ESI, EvSI, Summary Sheet,
MTDS, General Label, CAFE -
1994 and later**
 - **Interim Data to be Reprocessed**

Revisions to CMUG & Forms

- **CMUG Assembly**
- (appendix E, C, & F insert at end)
- **Summary of Changes**
(See-handouts)
- **Truncation to 6 decimal places for FE calculation removed.**
- **New Appendix G -- Sample Data Forms**
- **All of CMUG, except App. A&B, Revised for Information & Detail**
- **Minor Changes to Appendix F (Engine/Evap Family Names)**
- **Printed Copies Available Today**
- **CMUG and Changes on Internet**

Sample Data Forms & Reports

- **New Appendix G to CMUG**
-- **Sample Data Forms (filled-in)**
- **Revised Appendix C to CMUG**
-- **More Sample Reports**
- **Example Carline & ESI Report**
-- **(See-handouts)**
- **Every report has the following 3 parts:**
 1. **Submission Status Report Part Data Submitted**
 2. **Submission Status Report Part Summary Statistics**
 3. **Subsystem Database Report**

Data Processing Flow

- **Use Computer Operations Window**
- **Cert Team Representative**
- **CFEIS Team Help**
- **CFEIS Help Line**
- **Similar Procedures to MTS-CFEIS**

IOV CFEIS: FE Label Status:

1997 FE Labels:

- **Prior to 9/1/96 - on MTS.**
- **From 9/1/96 to 5/4/97- interim method, (paper copy to EPA, only).**
- **Beginning 5/5/97 - on IOV CFEIS, plus Mfr should resubmit interim labels to IOV CFEIS data base.**
- **M85 etc. Not Supported**

1998 FE Labels:

- **Prior to 5/5/97- interim method, (paper copy to EPA, only).**
- **Beginning 5/5/97 - on IOV CFEIS plus Mfr should resubmit all interim labels to IOV CFEIS data base.**
- **M85 etc. Not Supported**

1998 FE Guide & Test Car List:

- **Guide to DOE on approx. 9/5/97. (printed from IOV CFEIS data base)**
 - **1994-97 FE Guide & Test Car List were published on TTN & www.**
 - **1998 FE Guide & Test Car List to be published on www in Oct. 1997, and updated in the spring of 1998.**
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IOV CFEIS: CAFE Status:

- **1994 & 1995 CAFES - Done. (on MTS)**
- **1996 CAFES - On IOV CFEIS.**
 - **Available 6/10/97**

IOV CFEIS: Status of Cert Data

Testing Vehicles at EPA:

- **Use Interim Vehicle Information forms until further notice.**

Summary Sheets:

- **1997/98 Summary Sheets - Interim method (on Filemaker Pro).**
 - **Operating 8/7/96 to approx. 5/2/97.**
 - **No new starts after approx. 5/2/97.**
 - **Mfr should resubmit all interim Summary Sheets to IOV CFEIS data base.**
 - **M85, E85, CNG, etc. supported**
- **1997/98 Summary Sheets - IOV CFEIS.**
 - **Available 4/3/97- (Limited-production)**
 - **M85, E85, CNG, etc. supported.**

Summary Sheet Numbering System:

- **Numbering system is TBD. IOV CFEIS is currently programmed to start with No. 1.**
 - **Check with John Hendon, Seung Park, or your team member prior to entering any 1998 Summary Sheets.**
- **1998 Summary Sheets - Possible Solutions:**
 - **Mfr assigns the number.**
 - **Mfr can reprocess all 1998 Summary Sheets in the same order as previous Interim Summary Sheets.**
 - **EPA computer assigns all IOV summary sheet numbers starting with number 100.**
- **1996/1997 Summary Sheets:**
 - **Any new certificates/summary sheets will be handled on a case-by-case basis; check with your team member.**
 - **EPA may use the Interim (Filemaker Pro) method until the IOV numbering system software has been developed.**
 - **Can be resubmitted in Fall, 1997.**

Summary Sheet Overview

- Fed:**
- Exhaust Data, DFs, Cert Level
(normally including exhaust data from 2-D, 3-D & Refueling tests)
 - Evap Data, DFs, Cert Level
(2-hr; or 2-D, 3-D, R/L & either Refueling or Spitback data)
 - Cold CO Data, Dfs, Cert Level
 - Cert Short Test Data, Cert Level
- Calif:**
- Exhaust Data, DFs, Cert Level
(normally including exhaust data from 2-D, 3-D & Refueling tests)
 - Evap Data, DFs, Cert Level
(2-hr; or 2-D, 3-D, R/L & either Refueling or Spitback data)
 - Cold CO Data, Dfs, Cert Level
 - [Do not submit hwy or idle tests]

IOV CFEIS User tips:

- **Calif DFs should include Reactivity Factor**
- **NMOG not required on Calif FEDVs**
- **For carryover - If Mfrs carryover the VI, the EPA/mfr test data will automatically be carried over**

Annual Reports of Certification Test Results:

- **1997 Annual Certification Test Results Report was published on www (from the MTS data base) in Oct 1996 and will be updated in 1997 (from the IOV CFEIS data base).**
- **1998 Annual Certification Test Results Report will be published on www from the IOV CFEIS data base in Oct 1997 and updated in 1998.**

IOV-CFEIS Data Processing

(See-handouts)

CFEIS Help and Locator List

(See-handouts, 2 places)

Carry-Over and Vehicle Configuration Numbers

(See-handouts)

Rode/PC

- **New Templates**
- **Template Disks**
- **Instructions For Use Of Templates**
- **Technical Briefing Session**
- **New Users**

Reprocessing Interim Data into IOV-CFEIS

- **CFEIS Data Submitted since October, 1996**
 - **Being processed by the EPA and reports will be delivered to manufacturers.**
 - **If data was submitted, contact EPA to make sure that it gets processed.**
 - **VI and MTDS data - If configuration number was not specified correctly, should be resubmitted.**

Internet, TTN, Documents, and Email

(See-handouts)

IOV CFEIS Input Data Methods

- **Fixed Format ASCII Diskette**
 - **For file names refer to Exhibit 2-5 of the CMUG**
- **Paper Forms**
- **Rode PC Template**
- **Dial-In**

IOV-CFEIS Dial-in

(See-handouts)

Future CFEIS Changes

- **CAP2000**
- **MY99**
- **NLEV, Supp. FTP, others**

Manufacturer Questions

- **Internet - FAQ area**
- **Highlights**
- **Other questions**
- **From Floor**
- **EPA Technical Sessions**
 - Today**
 - As needed on Mondays & Fridays**

Manufacturer Requested Changes and Enhancements

- **Requests**
- **Future Enhancements**
- **Needs**

Next CFEIS Briefing

- **November 1997 (Tentative date)**

CFEIS Technical Sessions

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